Brent Domingo 2018-00739

```
Dockerfile ×
C:> Program Files > Docker > Dockerfile

1 FROM ubuntu:16.04

2 LABEL author="David Elner"

3

4 RUN apt-get update

5

6 RUN apt-get install -y iputils-ping
```

1. Building the Dockerfile

```
PS C:\Program Files\Docker\Docker\Docker\ docker build -t 'delner/ping' .

[+] Building 94.1s (7/7) FINISHED

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them PS C:\Program Files\Docker\Docker\Docker>

PS C:\Program Files\Docker\Docker\Docker> docker images

REPOSITORY TAG IMAGE ID CREATED SIZE delner/ping latest 36f0ba35ab04 3 minutes ago 170MB ubuntu 16.04 9ff95a467e45 3 weeks ago 135MB

PS C:\Program Files\Docker\Docker\Docker>
```

2. Built image

```
- Documents - Docu
```

```
PS C:\Program Files\Docker\Docker> docker images
REPOSITORY TAG IMAGE ID CREATED
                                                   SIZE
                     55f4fd32503d 9 seconds ago
delner/ping latest
                                                  139MB
                    0082eb9a7552 4 minutes ago
<none>
            <none>
                                                  170MB
<none>
            <none>
                     36f0ba35ab04 10 minutes ago
                                                  170MB
                     9ff95a467e45 3 weeks ago
ubuntu
            16.04
                                                  135MB
```

3. Optimizing Dockerfile

```
PS C:\Program Files\Docker\Docker> docker run -it delner/ping
PING google.com (172.217.26.142) 56(84) bytes of data.
64 bytes from 172.217.26.142: icmp_seq=1 ttl=37 time=42.3 ms
64 bytes from 172.217.26.142: icmp_seq=2 ttl=37 time=44.3 ms
64 bytes from 172.217.26.142: icmp_seq=3 ttl=37 time=43.2 ms
64 bytes from 172.217.26.142: icmp_seq=4 ttl=37 time=43.0 ms
64 bytes from 172.217.26.142: icmp_seq=5 ttl=37 time=44.1 ms
64 bytes from 172.217.26.142: icmp_seq=6 ttl=37 time=43.4 ms
64 bytes from 172.217.26.142: icmp_seq=7 ttl=37 time=42.9 ms
64 bytes from 172.217.26.142: icmp_seq=8 ttl=37 time=45.2 ms
64 bytes from 172.217.26.142: icmp_seq=9 ttl=37 time=42.5 ms
64 bytes from 172.217.26.142: icmp_seq=10 ttl=37 time=43.5 ms
64 bytes from 172.217.26.142: icmp_seq=11 ttl=37 time=44.0 ms
54 bytes from 172.217.26.142: icmp_seq=12 ttl=37 time=43.9 ms
64 bytes from 172.217.26.142: icmp_seq=13 ttl=37 time=45.5 ms
64 bytes from 172.217.26.142: icmp_seq=14 ttl=37 time=44.4 ms
64 bytes from 172.217.26.142: icmp_seq=15 ttl=37 time=43.5 ms
```

4. Added directives to automatically ping Google